**GRADE 7 MATHEMATICS PROJECT**

**TOTAL MARKS: 50 TERM 3 2024**

**MARKING RUBRIC / MEMORANDUM**

**Activity 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Activity** | | **Expected Answer** | | **Marks Allocation** | |
| 1. | 1.1 | Rectangle | 1 | |
| 1.2 | 4 angles | 1 | |
| 1.3 | Right angles | 1 | |
| 1.4 | 90° | 1 | |
| 1.5 | 2 lines of symmetry | 1 | |
| **Total** | | | **5** | |

**Marking Rubric for Activity 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **1** | **2** | **3** | **Score** |
| **Garden plan / map** | Garden plan drawn with minimal errors and incorrect/ irrelevant scale | Garden plan drawn with minimal errors but correct scale | Garden plan correctly drawn with relevant scale | (3) |
| **Accuracy in measurement**  **(length)** | Length is inaccurately measured | Length is accurately measured.  **30m / 30cm/ 300 mm** |  | (2) |
| **Accuracy in measurement**  **(breadth/width)** | Breadth / width is inaccurately measured | Breadth / width is accurately measured.  **20m / 20cm/ 200 mm** |  | (2) |
| **Ability to calculate the perimeter** | Perimeter calculated incorrectly based on both correct measurements | Perimeter calculated correctly based on both incorrect measurements | Perimeter calculated correctly. | (3) |
| **Ability to calculate the area** | Area calculated incorrectly based on both correct measurements | Area calculated correctly based on both incorrect measurements | Area calculated correctly. | (3) |
| **Total** | | | | **13** |

**ACTIVITY 3 & 4 MARKING GUIDELINE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | | **Expected Answer** | **Marks Allocation** |
| 3. | 3.1 | Perimeter of the garden is    20 rolls of 5m garden fence will be needed to fence the garden. | 3 |
|  | 3.2 | Cost of the fence before discount =  / R33 000,00 | 3 |
|  | 3.3 | Discount Amount **OR Any correct method** | 3 |
|  | 3.4 | New price after discount | 3 |
|  | 3.5 | Cost of the fence after discount =  / R28 050,00 | 3 |
| 4. | 4.1 | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Number of 5m rolls of the fence | 1 | 2 | 3 | 4 | 5 | 10 | **15🗸** | **18🗸** | 20 | | Perimeter of the garden in metres | 5 | 10 | 15 | **20**🗸 | **25**🗸 | **50**🗸 | 75 | 90 | **100**🗸 | | 6 |
|  | 4.2 | Multiply the number of 5m roll of fence by 5 🗸🗸 **OR** Add 5 to get the next term / number. 🗸🗸 | 2 |
|  | 4.3 | / 🗸🗸 / 🗸🗸 | 2 |
| **Total** | | | **25** |

**Marking Rubric for Activity 5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **1** | **2 - 4** | **5 - 6** | **7** |
| **Report** | Report is scanty /very little and irrelevant information provided. | Fair report, relevant information provided with few mistakes. | Good report availed with correct, Relevant information with no mistakes. | The report is detailed and convincingly concluded with suggestions and accepted by the SMT as the most viable option. |
| **Total** | | | | **7** |

**TOTAL MARKS: 50**